			<i>)</i> .
	Application No.	Applicant(s)	
Notice of All 1994	10/724,684	ITO, YUTAKA	
Notice of Allowability	Examiner	Art Unit	
,	Ly D. Pham	2827	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT F of the Office or upon petition by the applicant. See 37 CFR 1.31 1. ☑ This communication is responsive to 12 January 2005 and	S (OR REMAINS) CLOSED in 5) or other appropriate communication is second RIGHTS. This application is second MPEP 1308.	n this application. If not included unication will be mailed in due cou	urse. THIS
2. ⊠ The allowed claim(s) is/are- <u>7-12</u> .			
3. ☑ The drawings filed on <u>01 December 2003</u> are accepted b	y the Examiner.		
4. ☑ Acknowledgment is made of a claim for foreign priority of a) ☑ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☑ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority of International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	ve been received. ve been received in Application ocuments have been received " of this communication to file	on No. <u>10/077,817</u> d in this national stage application	
 A SUBSTITUTE OATH OR DECLARATION must be submined in Application (PTO-152) which gives CORRECTED DRAWINGS (as "replacement sheets") must be submined in the submined	ves reason(s) why the oath or		ICE OF
 (a) ☐ including changes required by the Notice of Draftsper 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examine 	<u>.</u>	•	
Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR each sheet, Replacement sheet(s) should be labeled as such in			ck) of
7. DEPOSIT OF and/or INFORMATION about the dep attached Examiner's comment regarding REQUIREMENT	osit of BIOLOGICAL MATE	ERIAL must be submitted. Not	e the
Attachment(s) 1. ⊠ Notice of References Cited (PTO-892)	5. □ Notice of In	formal Patent Application (PTO-1	52)
2. ☐ Notice of Neterences Offed (1 10-692) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	-	ummary (PTO-413),	~ ~ ;
3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB	Paper No./	Mail Date ^ Amendment/Comment	
Paper No./Mail Date <u>12/01/03</u>			
 Examiner's Comment Regarding Requirement for Deposit of Biological Material 	8. ⊠ Examiner's 9. ☐ Other	Statement of Reasons for Allowa	nce
, , ,	о. <u>П</u> опы	Hss-	
		/////	
		HOAI HO PRIMARY EXAMINER	

DETAILED ACTION

1. Applicant's Information Disclosure Statement, IDS, filed December 01, 2003 has been considered by the Examiner.

Election/Restrictions

- 2. Claims 1 and 3 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected invention, there being no allowable generic or linking claim. Election was made without traverse in the reply filed on January 12, 2005.
- This application is in condition for allowance except the following formal matter. 3.

EXAMINER'S AMENDMENT

4. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Gregory E. Montone (reg. no. 28,141) on March 1, 2005.

The application has been amended as follows:

Application/Control Number: 10/724,684

Art Unit: 2827

i. Claims 2 and 3 are cancelled for being drawn to non-elected invention.

Election was made without traverse as indicated above. Applicant has the right to file

Page 3

ii. Lines 1 - 6 of claims 7 - 9 are replaced with the following:

divisional application on subject matter covered by these claims.

A semiconductor apparatus formed on one semiconductor substrate, comprising:

a plurality of memory cells, each including a capacitor having first and second electrodes for holding an information voltage, a MOSFET having a gate connected to the first electrode of the capacitor and having the information voltage of the capacitor supplied to the gate, and a writing transistor for supplying the information voltage to the capacitor;

iii. In line 7 of claims 7 – 9, the comma "," has been removed.

Allowable Subject Matter

- 5. Claims 7 12 are allowed.
- 6. The following is an examiner's statement of reasons for allowance:

The prior arts (for instance US Pat 6,452,858) teach a semiconductor apparatus formed on one semiconductor substrate, comprising:

a plurality of memory cells, each including a capacitor having first and second electrodes for holding an information voltage, a MOSFET having a gate connected the

Application/Control Number: 10/724,684

Art Unit: 2827

first electrode of the capacitor and having the information voltage of the capacitor

Page 4

supplied to the gate, and writing transistor for supplying the information voltage to the

capacitor;

a plurality of word lines connected to the second electrode of the capacitor and a

gate of the writing transistor; and

a plurality of bit lines disposed in a direction orthogonal to the word lines for

receiving a writing voltage.

However, the prior arts did not teach the semiconductor apparatus, further

comprising:

a plurality of bit lines disposed in a direction orthogonal to the word lines for

receiving a writing voltage and a source output of the MOSFET,

wherein when the semiconductor apparatus is on a first mode, ..., when the

semiconductor apparatus is on a second mode, ..., when the semiconductor apparatus

is on the first and second modes,

7. Any comments considered necessary by applicant must be submitted no later

than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on

Statement of Reasons for Allowance."

Conclusion

Application/Control Number: 10/724,684

Art Unit: 2827

8. The prior art made of record and not relied upon is considered pertinent to

applicant's disclosure.

9. A shortened statutory period for response to this action is set to expire 3 (three)

months and 0 (zero) day from the date of this letter. Failure to respond within the period

for response will cause the application to become abandoned (see MPEP 710.02(b)).

10. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Ly D. Pham whose telephone number is 571-272-1793.

The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Hoai Ho can be reached on 571-272-1777. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Ly D Pham H March 1, 2005

HOAI HO

Page 5